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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Boucher et al. Ser. No: 10/678,336

Filing Date: October 3, 2003 Examiner: Unknown

Atty. Docket No: ALA-008H GAU: 2127

For: METHOD AND APPARATUS FOR DYNAMIC PACKET BATCHING WITH A HIGH PERFORMANCE NETWORK INTERFACE

July 23, 2007

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Supplemental Information Disclosure Statement

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants bring two hundred and seventeen documents listed on an enclosed fourteen-page form PTO-1449 to the attention of the Examiner in the above-identified application.

Citation of these documents shall not be construed as an admission that the documents are prior art with respect to the instant invention, a representation that a search has been made, or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

Copies of the documents listed on the enclosed one-page form PTO-1449 are not submitted, with the exception of one document, because they were submitted in an earlier application (10/005,536) which is relied upon for an earlier filing date under 35 U.S.C. §120.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 23, 2007.

Date: 7-23-07

  
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U.S. Department of Commerce, Patent and Trademark Office

Application No.: 10/678,336

O P E 6<sup>th</sup> INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing date: October 3, 2003

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Inventors: Laurence B. Boucher, et al.

Group Art Unit: 2127

METHOD AND APPARATUS FOR DYNAMIC PACKET BATCHING  
WITH A HIGH PERFORMANCE NETWORK INTERFACE

Examiner name: Unknown

Attorney Docket No.: ALA-008H

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## U.S. Patent Documents

Examiner Initial		Document	Date	Name	Class	Subclass	Filing Date
	1	4,366,538	December 28, 1982	Johnson et al.	364	200	
	2	4,485,455	November 27, 1984	Gary W. Boone et al	364	900	
	3	4,485,460	November 27, 1984	Mark A. Stambaugh	365	203	
	4	4,700,185	October 13, 1987	Thomas J. Balph et al	340	825.5	
	5	4,991,133	May 13, 1986	Davis et al.	364	900	
	5	5,056,058	October 8, 1991	Hirata et al.	709	230	
	7	5,058,110	October 15, 1991	Beach et al.	370	85.6	
	8	5,097,442	March 17, 1992	Ward et al.	395	78	
	9	5,163,131	November 10, 1992	Row et al.	395	200	
	10	5,212,778	May 18, 1993	Dally et al.	395	400	
	11	5,280,477	January 18, 1994	Trapp	370	85.1	
	12	5,289,580	February 22, 1994	Latif et al.	395	275	
	13	5,303,344	April 12, 1994	Yokoyama et al.	395	200	
	14	5,412,782	May 2, 1995	Hausman et al.	395	250	
	15	5,418,912	May 23, 1995	David A. Christenson	395	200	
	16	5,448,566	September 5, 1995	Richter et al.	370	94.1	

Examiner

Date Considered

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17	5,485,579	January 16, 1996	Hitz et al.	395	200.12	
18	5,506,966	April 9, 1996	Ban	395	250	
19	5,511,169	April 23, 1996	Suda	395	280	
20	5,535,375	July 9, 1996	Eshel et al.	391	500	
21	5,548,730	August 20, 1996	Young et al.	395	280	
22	5,566,170	October 15, 1996	Bakke et al.	370	60	
23	5,574,919	November 12, 1996	Arun N. Netravali et al	395	561	
24	5,566,170	October 15, 1996	Bakke et al.	370	60	
25	5,588,121	December 24, 1996	Reddin et al.	395	200.15	
26	5,590,328	December 31, 1996	Seno et al.	395	675	
27	5,592,622	January 7, 1997	Isfeld et al.	395	200.02	
28	5,629,933	May 13, 1997	Delp et al.	370	411	
29	5,633,780	May 27, 1997	Cronin et al.	361	220	
30	5,634,099	May 27, 1997	Andrews et al.	395	200.07	
31	5,634,127	May 27, 1997	Cloud et al.	395	680	
32	5,642,482	June 24, 1997	Pardillos	395	200.2	
33	5,664,114	September 2, 1997	Krech, Jr. et al.	395	200.64	
34	5,671,355	September 23, 1997	Collins	395	200.2	

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	35	5,678,060	October 14, 1997	Yokoyama et al.	709	212	
	36	5,682,534	October 28, 1997	Kapoor et al.	395	684	
	37	5,692,130	November 25, 1997	Shobu et al.	395	200.12	
	38	5,699,317	December 16, 1997	Sartore et al.	395	230.06	
	39	5,699,350	December 16, 1997	Andrew J. Kraslavsky	370	254	
	40	5,701,434	December 23, 1997	Nakagawa	395	484	
	41	5,701,516	December 23, 1997	Cheng et al.	395	842	
	42	5,742,765	April 21, 1998	Wong et al.	395	200	
	43	5,749,095	May 5, 1998	Hagersten	711	141	
	44	5,751,715	May 12, 1998	Chan et al.	370	455	
	45	5,752,078	May 12, 1998	Delp et al.	395	827	
	46	5,758,084	May 26, 2008	Silverstein et al.	395	200.58	
	47	5,758,089	May 26, 2008	Gentry et al.	395	200.64	
	48	5,758,186	May 26, 2008	Hamilton et al.	395	831	
	49	5,758,194	May 26, 2008	Kuzma	395	886	
	50	5,768,618	June 16, 1998	Gene R. Erickson et al	395	829	
	51	5,771,349	June 23, 1998	Picazo, Jr. et al.	395	188.01	
	52	5,778,419	July 7, 1998	Hansen et al.	711	112	

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	53	5,794,861	August 4, 1998	Osborne	709	245	
	54	5,794,061	August 11, 1998	Hansen et al.	395	800.01	
	55	5,802,580	September 1, 1998	McAlpice	711	149	
	56	5,809,328	September 15, 1998	Nogales et al.	395	825	
	57	5,812,775	September 22, 1998	Van Seeters et al.	395	200.43	
	58	5,815,646	September 29, 1998	Purcell et al.	395	163	
	59	5,828,835	October 27, 1998	Mark S. Isfeld et al	395	200.3	
	60	5,848,293	December 8, 1998	Gentry et al.	395	825	
	61	5,872,919	February 16, 1999	Wakeland et al.	395	200	
	62	5,878,225	March 2, 1999	Bilansky et al.	395	200.57	
	63	5,892,903	April 6, 1999	Christopher W. Klaus	395	187.01	
	64	5,913,028	June 15, 1999	Wang, et al.	395	200.33	
	65	5,920,566	July 6, 1999	Ariel Hendel et al	370	401	
	66	5,930,830	July 27, 1999	Mendelson et al.	711	171	
	67	5,931,918	August 3, 1999	Row et al.	709	300	
	68	5,935,205	August 10, 1999	Murayama et al.	709	216	
	69	5,937,169	August 10, 1999	Connery et al.	395	200.8	
	70	5,941,969	August 24, 1999	Ram et al.	710	128	

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71	5,941,972	August 24, 1999	Hoeze et al.	710	129	
72	5,950,203	September 7, 1999	Stakuis et al.	707	10	
73	5,970,804	August 4, 1998	Osborne	395	200.75	
74	5,987,022	November 16, 1999	Robert L. Geiger et al	370	349	
75	5,991,299	November 23, 1999	Radogna et al.	370	392	
76	5,996,013	November 30, 1999	Gary Scott Delp et al	709	226	
77	5,996,024	November 30, 1999	Blumenau	709	301	
78	6,005,849	December 21, 1999	Roach et al.	370	276	
79	6,009,478	December 28, 1999	Panner, et al.	710	5	
80	6,016,513	January 18, 2000	Glen H. Lowe	709	250	
81	6,021,446	February 1, 2000	Gentry et al.	709	303	
82	6,026,452	February 15, 2000	William Michael Pitts	710	56	
83	6,034,963	March 7, 2000	Minami et al.	370	401	
84	6,041,058	March 21, 2000	John A. Flanders et al	370	401	
85	6,041,381	March 21, 2000	Geoffrey B. Hoeze	710	129	
86	6,044,438	March 28, 2000	Howard Thomas Olnowich	711	130	
87	6,047,356	April 4, 2000	Anderson et al.	711	129	
88	6,049,528	April 11, 2000	Ariel Hendel et al	370	235	

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89	6,057,863	May 2, 2000	Sompong P. Olarig	345	520	
90	6,061,368	May 9, 2000	Hitzelberger	370	537	
91	6,065,096	May 16, 2000	Day et al.	711	114	
92	6,067,569	May 23, 2000	Mohamed J. Khaki et al	709	224	
93	6,078,733	June 20, 2000	Randy B. Osborne	395	200.8	
94	6,097,734	August 1, 2000	Joel Gotesman et al	370	474	
95	6,111,673	August 29, 2000	Gee-Kung Chang et al	359	123	
96	6,115,615	September 5, 2000	Takeshi Ota et al	455	553	
97	6,122,670	September 19, 2000	Toby D. Bennett et al	709	236	
98	6,141,701	October 31, 2000	Mark M. Whitney	710	5	
99	6,141,705	October 31, 2000	Anand et al.	710	15	
100	6,173,333	July 18, 1997	Jolitz et al.			
101	6,181,705	February 24, 2004	San-Hong Kim	370	392	
102	6,223,242	April 24, 2001	Stephen J. Sheafor et al	710	132	
103	6,226,680	May 1, 2001	Boucher et al.	709	230	
104	6,246,683	June 12, 2001	Connery et al.	370	392	
105	6,247,060	June 12, 2001	Boucher et al.	709	238	
106	6,289,023	September 11, 2001	Brian M. Dowling et al	370	419	

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	107	6,324,649	November 27, 2001	Kevin W. Eyres et al	713	202	
	108	6,343,360	January 29, 2002	David Feinleib	713	1	
	109	6,345,302	February 5, 2002	Toby D. Bennett et	709	236	
	110	6,356,951	March 12, 2002	Gentry et al.	709	250	
	111	6,370,599	April 9, 2002	Sanjay Anand et al	710	15	
	112	6,385,647	May 7, 2002	Dean Willis et al	709	217	
	113	6,389,468	May 14, 2002	Muller et al.	709	226	
	114	6,421,753	July 16, 2002	Geoffrey B. Hoese et al	710	129	
	115	6,427,169	July 30, 2002	Elzur	709	224	
	116	6,427,173	July 30, 2002	Laurence B. Boucher et al	709	238	
	117	6,434,651	August 13, 2002	Gentry, Jr.	710	260	
	118	6,449,656	September 10, 2002	Elzur et al.	709	236	
	119	6,453,360	September 17, 2002	Muller et al.	709	250	
	120	6,473,425	October 29, 2002	Gilles Bellaton et al	370	392	
	121	6,487,202	November 26, 2002	Daniel E. Klausmeier et al	370	395	
	122	6,487,654	November 26, 2002	Eric M. Dowling	712	244	
	123	6,490,631	December 3, 2002	Paul R. Teich et al	709	250	
	124	6,502,144	December 31, 2002	Jean-Paul Accarie	710	8	

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125	6,523,119	February 18, 2003	Dominique Vincent Pavlin et al	713	192	
126	6,570,884	May 27, 2003	Glenn William Connery et al	370	419	
127	6,591,310	July 8, 2003	Stephen B. Johnson	710	3	
128	6,648,611	November 18, 2003	David M. Morse et al	417	310	
129	6,650,640	November 18, 2003	Shimon Muller et al	370	392	
130	6,657,757	December 2, 2003	Gee-Kung Chang et al	359	124	
131	6,658,480	December 2, 2003	Laurence B. Boucher et al	709	239	
132	6,678,283	January 13, 2004	Yakov Teplitsky	370	463	
133	6,681,364	January 20, 2004	Jean Louis Calvignac et al	714	776	
134	6,697,868	February 24, 2004	Peter K. Craft et al	709	230	
135	6,765,901	July 20, 2004	Michael Ward Johnson et al	370	352	
136	6,807,581	October 19, 2004	Daryl D. Starr et al	709	250	
137	6,842,896	January 11, 2005	Mark E. Redding et al	717	172	
138	6,912,522	June 28, 2005	David A. Edgar	707	2	
139	6,941,386	September 6, 2005	Peter K. Craft et al	709	250	
140	6,965,941	November 15, 2005	Laurence B. Boucher et al	709	230	

Published Applications

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Examiner Initial		Document	Date	Name	Class	Subclass	Filing Date
	141	2001/0004354	January 10, 2001	Jolitz	370	328	
	142	2001/0025315	January 10, 2001	Jolitz	709	231	
	143	2002/0073223	June 13, 2002	B. Scott Darnell et al	709	232	
	144	2002/0112175	August 15, 2002	Makofka et al	713	200	
	145	2003/0066011	April 11, 2002	Oren	714	758	
	146	2003/0110344	June 1, 2003	Szezepanek et al.	711	100	
	147	2004/0054814	March 1, 2004	McDaniel			
	148	2004/0059926	March 25, 2004	Angelo, et al.	713	168	
	149	2004/0153578	August 1, 2004	Elzur			
	150	2004/0213290	October 1, 2004	Johnson et al.	370	469	
	151	2004/0246974	December 9, 2004	Gyugyi et al.	370	395.31	

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Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation
	152	WO 98/19412	May 7, 1998	PCT/US97/17257			
	153	WO 98/50852	November 12, 1998	PCT/US98/0871			
	154	WO 99/04343	January 28, 1999	PCT/US98/14729			

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156	WO 00/13091	March 9, 2000	PCT/US98/24943			
157	WO 01/04770	January 18, 2001	PCT/US00/18939			
158	WO 01/05107	January 18, 2001	PCT/US00/19006			
159	WO 01/05116	January 18, 2001	PCT/US00/19243			
160	WO 01/05123	January 18, 2001	PCT/US00/18976			
161	WO 01/40960	June 7, 2001	PCT/US00/32660			
162	WO 01/59966	August 16, 2001	PCT/US00/06475			
163	WO 01/86430	November 15, 2001	PCT/US01/15180			

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

164	Internet pages entitled "Hardware Assisted Protocol Processing", (which Eugene Feinber is working on), 1 page, printed 11/25/98.
165	Zilog product Brief entitled "Z85C30 CMOS SCC Serial Communication Controller", Zilog Inc., 3 pages, 1997.
166	Internet pages of Xpoint Technologies, Inc. entitled "Smart LAN Work Requests", 5 pages, printed 12/19/97.
167	Internet pages entitled: Asante and 100BASE-T Fast Ethernet. 7 pages, printed 5/27/97.
168	Internet pages entitled: A Guide to the Paragon XP/S-A7 Supercomputer at Indiana University. 13 pages, printed 12/21/98.

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169	Richard Stevens, "TCP/IP Illustrated, Volume 1, The Protocols", pages 325-326 (1994).
170	Internet pages entitled: Northridge/Southbridge vs. Intel Hub Architecture, 4 pages, printed 2/19/01.
171	Gigabit Ethernet Technical Brief, Achieving End-to-End Performance. Alteon Networks, Inc., First Edition, September 1996, 15 pages.
172	Internet pages directed to Technical Brief on Alteon Ethernet Gigabit NIC technology, <a href="http://www.alteon.com">www.alteon.com</a> , 14 pages, printed 3/15/97.
173	VIA Technologies, Inc. article entitled "VT8501 Apollo MVP4", pages i-iv, 1-11, cover and copyright page, revision 1.3, Feb. 1, 2000.
174	iReady News Archives article entitled "iReady Rounding Out Management Team with Two Key Executives", <a href="http://www.ireadyco.com/archives/keyexec.html">http://www.ireadyco.com/archives/keyexec.html</a> , 2 pages, printed 11/28/98.
175	"Toshiba Delivers First Chips to Make Consumer Devices Internet-Ready Based On iReady's Design," Press Release October, 1998, 3 pages, printed 11/28/98.
176	Internet pages from iReady Products, web site <a href="http://www.ireadyco.com/products.html">http://www.ireadyco.com/products.html</a> , 2 pages, downloaded 11/25/98.
177	iReady News Archives, Toshiba, iReady shipping Internet chip, 1 page, printed 11/25/98.
178	Interprophet article entitled "Technology", <a href="http://www.interprophet.com/technology.html">http://www.interprophet.com/technology.html</a> , 17 pages, printed 3/1/00.
179	iReady Corporation, article entitled "The I-1000 Internet Tuner", 2 pages, date unknown.
180	iReady article entitled "About Us Introduction", Internet pages from <a href="http://www.ireadyco.com/about.html">http://www.ireadyco.com/about.html</a> , 3 pages, printed 11/25/98.
181	iReady News Archive article entitled "Revolutionary Approach to Consumer Electronics Internet Connectivity Funded", San Jose, CA, November 20, 1997. 2 pages, printed 11/2/98.
182	iReady News Archive article entitled "Seiko Instruments Inc. (SII) INTRODUCES WORLD'S FIRST INTERNET-READY INTELLIGENT LCD MODULES BASED ON IREADY TECHNOLOGY," Santa Clara, CA and Chiba, Japan, October 26, 1998. 2 pages, printed 11/2/98.

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U.S. Department of Commerce, Patent and Trademark Office	Application No.: 10/678,336
<b>6<sup>th</sup> INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Filing date: October 3, 2003
	Inventors: Laurence B. Boucher, et al.
	Group Art Unit: 2127
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